

Attorney's Docket No.: 15518-001001 / 40738US028

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sanford Cobb, Jr.
Serial No. : 10/616,529
Filed : July 10, 2003
Title : TOTALLY INTERNALLY REFLECTING THIN, FLEXIBLE FILM

Art Unit : Unknown

Examiner : Unknown

MAIL STOP PETITIONS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RENEWED PETITION TO GRANT FILING DATE

In a decision dated May 25, 2005, the Office again refused to accord the above-captioned reissue application a filing date on the ground that the application, as filed, was incomplete. The decision was in response to Applicant's petition filed August 20, 2004, in which Applicant enclosed a copy of the postcard receipt filed with the original reissue application and courtesy copies of all documents filed with the original reissue application. The postcard receipt listed all documents filed with the original reissue application, including all the documents that the Office alleged were missing.

In its May 25, 2005 decision, which issued almost 9 months after Applicant's petition was filed and almost 2 years after the original reissue application was filed, the Office acknowledged that the postcard receipt "does properly itemize the application papers" and is "prima facie evidence of receipt in the Office of all items listed thereon on the date stamped thereon by the Office." However, the Office nevertheless denied the petition on the ground that "petitioner has not supplied the Office with the copies of the papers stated to have been missing in the 'Notice of Incomplete Reissue Application' (specification, including claims and abstract, and 4 sheets of drawings.)"

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit

June 13, 2005

Signature

Judith A. Witzel

Judith A. Witzel

Typed or Printed Name of Person Signing Certificate

BEST AVAILABLE COPY

Applicant is at a loss to understand the denial of the petition. In its petition filed August 20, 2004, Applicant did in fact include a second copy of all documents originally submitted. As proof, Applicant encloses a copy of the postcard receipt stamped August 23, 2004 that itemizes each and every item submitted. The postcard receipt demonstrates that Applicant indeed submitted copies of the documents the Office alleges are missing (specification, including claims and abstract, plus 4 sheets of drawings).

Applicant now submits, for the third time, a copy of the specification, including claims and abstract, and 4 sheets of drawings. Applicant also submits copies of the postcard receipt from the originally filed reissue application (7/10/03) and the postcard receipt from the first petition (8/20/04). The two postcard receipts establish that Applicant has already submitted the allegedly missing documents twice. Applicant further renews its request that the Office withdraw the Notice and accord the application a filing date.

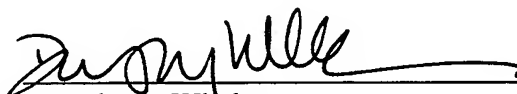
Please charge any petition fee which may be due to Deposit Account No. 06-1050. Because the application was in fact complete as filed, and the Office erred in issuing the Notice, Applicant requests a refund of any petition fee charged to Deposit Account No. 06-1050.

Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: _____

6/13/05

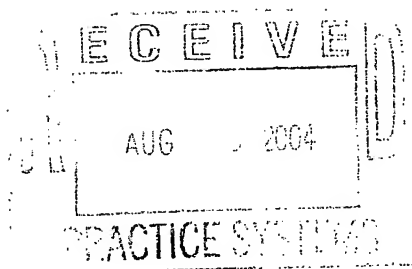
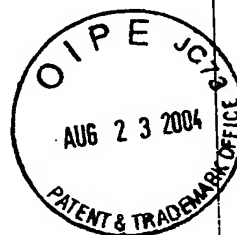


Dorothy P. Whelan
Reg. No. 33,814

Fish & Richardson P.C., P.A.
60 South Sixth Street
Suite 3300
Minneapolis, MN 55402
Telephone: (612) 335-5070
Facsimile: (612) 288-9696




Attorney's Docket No. 15518-001001	Express Mail Label No.	Mailing Date August 20, 2004	For PTO Use Only <i>Do Not Mark in This Area</i>
Application No. 10/616,529	Filing Date July 10, 2003	Attorney/Secretary Init DPW/jxw	
Title of the Invention TOTALLY INTERNALLY REFLECTING THIN, FLEXIBLE FILM			
Applicant Sanford Cobb, Jr.			
Client Reference No. 40738US028			
Enclosures ·Petition to Grant Filing Date (2 pages) ·Notice of Incomplete Reissue Application (copy) ·Copies of: Express Mail Receipt, Express Mail Declaration; stamped return receipt postcard, Reissue Application Transmittal; Reissue Application Fee Transmittal Form; Patent Application (3 pages of specification, 6 pages of claims, 76 total claims, 1 page of abstract); Drawings; Consent of Assignee and Offer to Surrender; Declaration Pursuant to 37 CFR 1.175; Certificate Under 37 CFR 3.73(b) (copy of Assign Record.); Information Disclosure Statement; Form PTO-1449			





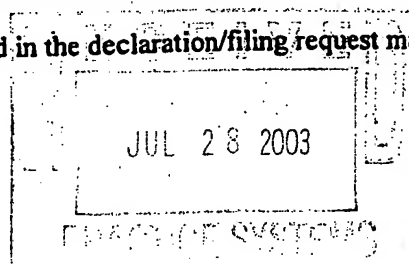
DPW

OFFICIAL FILING RECEIPT CHECKLIST

Attorney's Docket No. 15518-001001	Express Mail Label No. EV342625306US	Mailing Date July 10, 2003	For PTO Use Only Do Not Mark in This Area
Application No.	Filing Date July 10, 2003	Attorney/Secretary Init DPW/jxw	
Title of the Invention TOTALLY INTERNALLY REFLECTING THIN, FLEXIBLE FILM			
Applicant Sanford Cobb, Jr.			22002 U.S. PTO 10/616529
Enclosures · Reissue Patent Application Transmittal (1 pages) · Reissue Application Fee Transmittal Form (1 sheet) · Patent Application (3 pages of specification, 6 pages of claims, 76 total claims, 1 pages of abstract) · Drawings (4 sheets) · Consent of Assignee and Offer to Surrender (1 pages) · Declaration Pursuant to 37 CFR § 1.175 (2 pages) · Certificate Under 37 CFR § 3.73(b) (copy of Assign Record.) · Information Disclosure Statement (3 pages) · Form PTO-1449 (2 pages) · Documents listed on the Form PTO-1449 (43 documents) Check in the amount of \$1,758.00			 07/10/03

TO BE COMPLETED WHEN OFFICIAL FILING RECEIPT ARRIVES

- () Serial numbers on the postcard and the filing receipt match
- () Filing dates on the postcard and filing receipt match
- () Filing fee (paid by check) and the filing fee received on the filing receipt match: If the filing fee was charged to the deposit account, the correct amount of the fee charged match
- () Attorney docket number on the postcard, the application and the filing receipt match
- () Number of sheets of drawings in the application, number noted on the postcard, and number noted on the filing receipt match
- () Total number of claims in the application noted in the transmittal letter and on the filing receipt match
- () Number of Independent claims in the application, noted in the transmittal letter, and on the postcard match
- () Attorney named on the filing receipt and attorney named on the declaration/filing request match
- () Inventor(s) named on the filing receipt and inventor(s) named in the declaration/filing request match
- () Title noted on filing receipt and on the application match



CHECKED BY: _____



Attorney Docket No. 15518-001001	Express Mail Label No. EV342625306US	Mailing Date July 10, 2003	For PTO Use Only Do Not Mark in This Area
Application No.	Filing Date July 10, 2003	Attorney/Secretary Init DPW/jxw	
Title of the Invention TOTALLY INTERNALLY REFLECTING THIN, FLEXIBLE FILM			
Applicant Sanford Cobb, Jr.			
Enclosures · Reissue Patent Application Transmittal (1 pages) · Reissue Application Fee Transmittal Form (1 sheet) · Patent Application (3 pages of specification, 6 pages of claims, 76 total claims, 1 pages of abstract) · Drawings (4 sheets) · Consent of Assignee and Offer to Surrender (1 pages) · Declaration Pursuant to 37 CFR § 1.175 (2 pages) · Certificate Under 37 CFR § 3.73(b) (copy of Assign Record.) · Information Disclosure Statement (3 pages) · Form PTO-1449 (2 pages) · Documents listed on the Form PTO-1449 (43 documents) Check in the amount of \$1,758.00			

15518-001001

FR FISH & RICHARDSON P.C.

225 Franklin Street
Boston, Massachusetts
02110-2804

C

162676

PAY one thousand seven hundred fifty-eight and 00/100 DOLLARS

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FISH & RICHARDSON P.C.

52-153/112

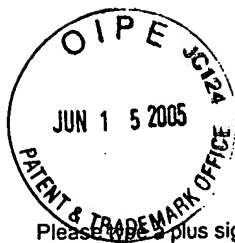


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PTO/SB/50 (02-01)

Approved for use through 9/30/2000. OMB 0651-0033

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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REISSUE PATENT APPLICATION TRANSMITTAL

Address to: Assistant Commissioner for Patents Box Reissue Washington, DC 20231	Attorney Docket No.	15518-001001
	First Named Inventor	Sanford Cobb, Jr.
	Original Patent Number	4,906,070
	Original Patent Issue Date	March 6, 1990
	Express Mail Label No.	EV342625306US

APPLICATION FOR REISSUE OF:

(check applicable box)

☒ Utility Patent

☐ Design Patent

☐ Plant Patent

APPLICATION ELEMENTS (37 CFR 1.173)

1. ☒ Fee Transmittal Form (PTO/SB/56)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification and Claims in double column copy of patent format (amended, if appropriate)
4. ☒ Drawing(s) (Proposed amendments, if appropriate)
5. ☒ Reissue Oath/Declaration (original or copy)
(37 C.F.R. § 1.175) (PTO/SB/51 or 52)
6. ☒ Power of Attorney
7. Original U.S. Patent currently assigned? ☒ Yes ☐ No
(If Yes, check applicable box(es))
 - ☒ Written Consent of all Assignees (PTO/SB/53)
 - ☒ 37 C.F.R. § 3.73(b) Statement (PTO/SB/96)
8. ☐ CD-ROM or CD-R in duplicate, Computer Program (Appendix) or large table
9. Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all of the following are necessary)
 - a. ☐ Computer Readable Form (CFR)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM (2copies) or CD-R (2 copies) or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

10. ☐ Statement of status and support for all changes to the claims. See 37 CFR 1.173 (c)
11. ☐ Original U.S. Patent for surrender
 - ☐ Ribboned Original Patent Grant
 - ☐ Statement of Loss (PTO/SB/55)
12. ☐ Foreign Priority Claim (35 U.S.C. 119)
(if applicable)
13. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
14. ☐ English Translation of Reissue Oath/Declaration
(if applicable)
15. ☐ Preliminary Amendment
16. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
17. ☐ Other: _____

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label



or ☐ Correspondence address below

Customer No: 26191

(Insert Customer No. or Attach bar code label here)

Name	Dorothy P. Whelan				
Address					
City	State	Zip Code			
Country	U.S.A.	Telephone	(612) 335-5070	Fax (612) 288-9696	

NAME (Print/Type)	Fish & Richardson P.C., P.A.	Registration No. (Attorney/Agent)	33,814
Signature			Date 7/10/03

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, D.C. 20231



PTO/SB/56 (06-03)
Approved for use through 01/31/2004. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REISSUE APPLICATION FEE TRANSMITTAL FORM						Docket Number (Optional)		
						15518-001001		
Claims as Filed - Part 1								
Claims in Patent		Number Filed in Reissue Application	(3) Number Extra	Small Entity		Other than a Small Entity		
				Rate	Fee	Rate	Fee	
(A) 13	Total Claims (37 CFR 1.16(j))	(B) 76 56 =	x \$ _____ =		x \$ 18 =	\$ 1,008	
(C) 3	Independent claims (37 CFR 1.16(l))	(D) 3	* 0 =	x \$ _____ =		x \$ _____ =	0	
				Basic Fee (37 CFR 1.16(h))	\$ _____		\$ 750	
				Total Filing Fee	\$ _____	OR	\$ 1,758	
Claims as Amended - Part 2								
	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Extra Claims Present	Small Entity		Other than a Small Entity	
					Rate	Fee	Rate	Fee
Total Claims (37 CFR 1.16(j))	***	MINUS	**	* =	x \$ _____ =		x \$ _____ =	
Independent Claims (37 CFR 1.16(l))	***	MINUS	*****	=	x \$ _____ =		x \$ _____ =	
					Total Additional Fee	\$	OR	\$
<p>* If the entry in (D) is less than the entry in (C), Write "0" in column 3.</p> <p>** If the "Highest Number of Total Claims Previously Paid For" is less than 20, Write "20" in this space.</p> <p>*** After any cancellation of claims.</p> <p>**** If "A" is greater than 20, use (B - A); if "A" is 20 or less, use (B - 20).</p> <p>***** "Highest Number of Independent Claims Previously Paid For" or Number of Independent Claims in Patent (C).</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. <u>06-1050</u>. A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> A check in the amount of \$ <u>1,758.00</u> to cover the filing/additional fee is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p><u>July 10, 2003</u> Date</p> <p><u>33,814</u> Registration Number, if applicable</p> <p> Signature of Applicant, Attorney or Agent of Record</p> <p><u>Dorothy P. Whelan</u> Typed or printed name</p>								

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Attorney's Docket No.: 15518-001001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee : Minnesota Mining and
Manufacturing Company Art Unit : Unknown
Examiner : Unknown
Patent No. : 4,906,070
Serial No. : 218,087
Filed : July 12, 1988
Title : TOTALLY INTERNALLY REFLECTING THIN, FLEXIBLE FILM

Commissioner for Patents
Washington, D.C. 20231

DECLARATION PURSUANT TO 37 C.F.R. §1.175

I, Sanford Cobb, Jr., declare that I believe that I am the original and first inventor of the subject matter that is described and claimed in United States Patent No. 4,906,070 for which I solicit a reissue patent; that I have reviewed and understand the contents of the above-identified reissue application, including its specification and claims; that I acknowledge the duty to disclose all information of which I am aware that is material to the examination of this reissue application in accordance with 37 C.F.R. §1.56(a); that the aforesaid patent is partly inoperative by reason of claiming less than I had the right to claim in the patent; and that said inoperativeness is a result of error that arose inadvertently and without any deceptive intention.

One error relied upon as the basis of this reissue application is that the patent fails to claim, in the form of dependent claims, certain embodiments disclosed in the specification that fall within the genus set forth in the independent claims. For example, although the specification discloses, by means of certain patents incorporated by reference, films having a composite structure in which prisms are bonded to a separate sheet material, the patent fails to include specific claims to such films. This error and any and all other errors being corrected in the reissue application arose without deceptive intention.

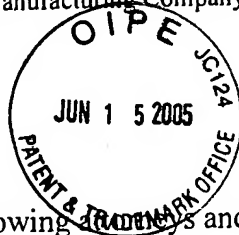
CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EV342625306US

July 10, 2003
Date of Deposit

Patentee : Minnesota Mining and Manufacturing Company
Patent No. : 4,906,070
Serial No. : 218,087
Filed : July 12, 1988
Page : 2 of 2

Attorney's Docket No.: 15518-001001



I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Dorothy P. Whelan, Reg. No. 33,814
John J. Gagel, Reg. No. 33,499
Practitioners at Customer Number 36001.

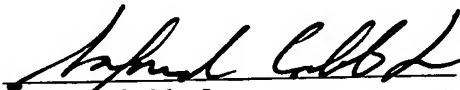
Please address all communications to:

Dorothy P. Whelan, Esq.
Fish & Richardson, P.C. P.A.
60 S. Sixth St., Suite 3300
Minneapolis, MN 55402

Please address all telephone calls to:

Dorothy P. Whelan, Esq.
(612) 337-2509

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believe to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patents issued thereon.


Sanford Cobb, Jr.

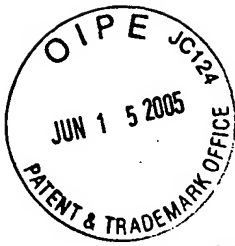
Residence and Post 2170 Itasca Ave. S., P.O. Box302, Lakeland, MN 55043
Office Address: 2170

Citizenship:

United States

Date:

June 16, 2003



Attorney's Docket No.: 15518-001001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee : Minnesota Mining and
Manufacturing Company
Patent No. : 4,906,070
Serial No. : 218,087
Filed : July 12, 1988
Title : TOTALLY INTERNALLY REFLECTING THIN, FLEXIBLE FILM

Art Unit : Unknown
Examiner : Unknown

Commissioner for Patents
Washington, D.C. 20231

CONSENT OF ASSIGNEE AND OFFER TO SURRENDER

The undersigned, 3M Innovative Properties Company, being the assignee of all right, title, and interest in and to the above-referenced U.S. Patent No. 4,906,070 by virtue of an assignment from Minnesota Mining and Manufacturing Company, the prior assignee of all right, title, and interest in and to the above-referenced U.S. Patent No. 4,906,070 by virtue of assignments from Sanford Cobb, Jr., the inventor of the above-referenced U.S. Patent No. 4,906,070, to Minnesota Mining and Manufacturing Company recorded (a) November 21, 1985 at Reel 4485, Frame 0413 and (b) January 15, 1986 at Reel 4504, Frame 0236, hereby offers to surrender U.S. Patent No. 4,906,070 and further requests that Letters Patent be reissued to it upon the foregoing amended application.

3M Innovative Properties Company

Date: July 3, 2003

By: [Signature]
Name: Gary L. Griswold
Title: President

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EV342625306US

July 10, 2003
Date of Deposit



Attorney's Docket No.: 15518-001001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee : Minnesota Mining and Manufacturing Company
Patent No. : 4,906,070
Serial No. : 218,087
Filed : July 12, 1988
Title : TOTALLY INTERNALLY REFLECTING THIN, FLEXIBLE FILM

Art Unit : Unknown
Examiner : Unknown

Commissioner for Patents
Washington, D.C. 20231

CERTIFICATE UNDER 37 CFR §3.73(b)

Under 37 CFR §3.73(b), 3M Innovative Properties Company, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of:

A chain of title from the inventor of the patent identified above, to the current assignee as shown below.

1. From Sanford Cobb, Jr. to Minnesota Mining and Manufacturing Company recorded in the Patent and Trademark Office at Reel 4485, Frame 0413 on November 21, 1985.

2. From Sanford Cobb, Jr. to Minnesota Mining and Manufacturing Company recorded in the Patent and Trademark Office at Reel 4504, Frame 0236 on January 15, 1986.

3. From Minnesota Mining and Manufacturing Company to 3M Innovative Properties Company and submitted under separate cover for recordation with the Patent and Trademark Office on May 28, 2003 (copy attached as Exhibit 1).

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EV342625306US

July 10, 2003
Date of Deposit

Patentee : Minnesota Mining and Manufacturing Company
Patent No. : 4,906,070
Serial No. : 218,087
Filed : July 12, 1988
Page : 2 of 2

Attorney's Docket No.: 15518-001001

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

3M Innovative Properties Company

Date:

July 3, 2003

By:



Name:

Gary L. Griswold

Title:

President



RECORDATION FORM COVER SHEET PATENTS ONLY	
To: The Honorable Commissioner of Patents and Trademarks Please record the attached original document(s) or copy thereof.	
1. Name of conveying party(ies) (Execution Date) 3M Company (formerly Minnesota Mining and Manufacturing Company), a Corporation of the State of Delaware May 20, 2003	Name and address of receiving party(ies): 3M Innovative Properties Company P.O. Box 33427 St. Paul, Minnesota 55133-3427 Additional names of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Additional names of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: <input type="checkbox"/> If this is a request for correction of a previously recorded document, a copy of the previously recorded assignment and previous Notice of Recordation is enclosed.	
4. Application number or patent number: <input type="checkbox"/> This document is being filed contemporaneously with a new patent application. <input checked="" type="checkbox"/> This document is to be recorded against the following patent application or patent: <u>06/903657, 07/472621, 07/218087</u> <input type="checkbox"/> Enter Patent Cooperation Treaty (PCT) application number <u>only</u> if a USSN has <u>not</u> been assigned: Additional Numbers Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Stephen W. Buckingham Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: (651) 733-3379  32692 PATENT TRADEMARK OFFICE	6. Total number of applications and patents involved: 3 7. Total fee (37 CFR 3.41): \$120.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit Account Number: 13-3723
DO NOT USE THIS SPACE	
9. Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Printed Name of Attorney/Agent: Stephen W. Buckingham Registration No.: 30,035  Signature May 28, 2003 Date	
Pages: Total number of pages including COVER SHEET, attachments and documents	

~~POSTED~~
JUN 04 2003

ASSIGNMENT

ASSIGNOR: 3M COMPANY (formerly MINNESOTA MINING AND MANUFACTURING COMPANY)
of: PO Box 33427
St. Paul, Minnesota 55133-3427
United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America does hereby claim and declare that it is the owner of all right, title and interest in and to the following Patent Application(s) or letters Patents(s) and other rights and powers obtainable or exercisable in respect thereof as numbered in United States Patent(s) and /or Patent Application(s):

Patent Application No.	Patent Number	Filing Date	Issue Date
06/903657	4805984	September 5, 1986	February 21, 1989
07/472621	5056892	January 30, 1990	October 15, 1991
07/218087	4906070	July 12, 1988	March 6, 1990

3M Company (formerly Minnesota Mining and Manufacturing Company) does hereby, for good and valuable consideration, effective as of April 1, 1999, received, sell, assign and transfer unto:

ASSIGNEE: 3M INNOVATIVE PROPERTIES COMPANY
of: PO Box 33427
St. Paul, Minnesota 55133-3427
United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America, its entire right, title and interest in and to the said Patent Application(s) or Letters Patent(s) including any division, continuation (in whole or in part) reissue or reexamination thereof, and in and to any countries foreign thereto, and consent to the recordal of this Assignment.

ASSIGNOR
Subscribed and Sworn:

At St. Paul, Minnesota 55133-3427

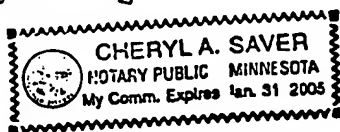
this 20th day of May, 2003 3M COMPANY
(formerly MINNESOTA MINING AND
MANUFACTURING COMPANY)

By: Carolyn A. Bates
Name: Carolyn A. Bates
Its: Assistant Chief Intellectual Property
Counsel

Subscribed and sworn to before me this

20th day of May, 2003

Cheryl A. Saver
Notary Public



ASSIGNEE
Accepted:

At St. Paul, Minnesota 55133-3427

this 27th day of May, 2003

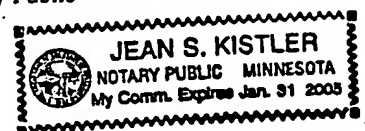
3M INNOVATIVE PROPERTIES COMPANY

By: Gary L. Griswold
Name: Gary L. Griswold
Its: President and Chief Intellectual Property
Counsel

Subscribed and sworn to before me this

27th day of May, 2003

Jean S. Kistler
Notary Public





Attorney's Docket No.: 15518-001001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee : Minnesota Mining and
Manufacturing Company
Patent No. : 4,906,070
Serial No. : 218,087
Filed : July 12, 1988
Title : TOTALLY INTERNALLY REFLECTING THIN, FLEXIBLE FILM

Art Unit : Unknown
Examiner : Unknown

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicant submits copies of the following documents listed on the attached Form 1449:

(a) Agreement dated August 20, 1984 between Minnesota Mining and Manufacturing Company ("3M") and TIR Systems Limited ("the Agreement");

(b) Memo dated 10/4/84 from S. Cobb to J.F. Abere;

(c) Memo dated 10/26/84 from R. Appeldorn to R. Adalbert et al.;

(d) Memo dated 11/12/84 from John C. Barnes to R.H. Appeldorn.

The subject matter of the Agreement is a thin, flexible, prism light guide material. The
three memos relate to the material and to the Agreement.

Applicant further submits copies of the following patents listed on the attached Form

1449:

2,175,067 Rolph
2,218,227 Winnek
2,232,551 Merton
2,248,638 Merton
2,279,555 Browne et al.
2,723,919 Pohnan
3,288,990 Stahlhut
3,689,346 Rowland
3,894,228 Cobb, Jr.

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July 10, 2003
Date of Deposit

Patentee : Minnesota Mining and Manufacturing Company
Patent No. : 4,906,070
Serial No. : 218,087
Filed : July 12, 1988
Page : 2 of 3

Attorney's Docket No.: 15518-001001

3,908,056 Anderson
4,083,626 Miyahara et al.
4,118,763 Osteen
4,120,565 Rabl et al.
4,154,219 Gupta et al.
4,235,515 Sheiman et al.
4,244,683 Rowland
4,260,220 Whitehead
4,389,085 Mori
4,422,719 Orcutt
4,466,697 Daniel
4,497,860 Brady, Jr.
4,576,850 Martens
4,615,579 Whitehead
4,805,984 Cobb
0142250A3 Europe
27-1880 Japan
28-4669 Japan
58-102904 Japan
53-57068 Japan
1426230 United Kingdom
2127344 United Kingdom

Fumio Ide & Hiroshi Terada, "Kobunshi Shinsozai One Point-2, 'Optical Fiber & Optical Materials'", edited by Japan Polymer Society, published by Kyoritsu Shuppan K.K., June 15, 1987: pp.10-14.

"Polycarbonate Resin Handbook" edited by Seiichi Honma, published by Nikkkan Kogyo Shinbunsha on August 28, 1992, pp 121-125.

Translations for the following references will be provided shortly:

48-7051 Japan
58-51144 Japan
49-51857 Japan
55-159304 Japan
56-77805 Japan
60-70603 Japan

Patentee : Minnesota Mining and Manufacturing Company
Patent No. : 4,906,070
Serial No. : 218,087
Filed : July 12, 1988
Page : 3 of 3

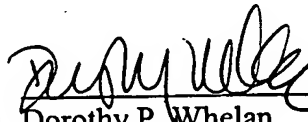
Attorney's Docket No.: 15518-001001

This statement is being filed with the application. Please apply any charges or credits to
Deposit Account No. 06-1050.

Respectfully submitted,

Date: _____

2/10/03



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60136808.doc



Sheet 1 of 2

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 15518-001001	Application No.
	Applicant Sanford Cobb, Jr.		
	Filing Date	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2,175,067		Rolph			
	AB	2,218,227		Winnek			
	AC	2,232,551		Merton			
	AD	2,248,638		Merton			
	AE	2,279,555		Browne et al.			
	AF	2,723,919		Pohnan			
	AG	3,288,990		Stahlhut			
	AH	3,689,346		Rowland			
	AI	3,894,228		Cobb, Jr.			
	AJ	3,908,056		Anderson			
	AK	4,083,626		Miyahara et al.			
	AL	4,118,763		Osteen			
	AM	4,120,565		Rabl et al.			
	AN	4,154,219		Gupta et al.			
	AO	4,235,515		Sheiman et al.			
	AP	4,244,683		Rowland			
	AQ	4,260,220		Whitehead			
	AR	4,389,085		Mori			
	AS	4,422,719		Orcutt			
	AT	4,466,697		Daniel			
	AU	4,497,860		Brady			
	AV	4,576,850		Martens			
	AW	4,615,579		Whitehead			
	AX	4,805,984		Cobb			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 15518-001001	Application No.
	Applicant Sanford Cobb, Jr.		
	Filing Date	Group Art Unit	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AY	0 142 250		Europe				
	AZ	27-1880		Japan			X	
	AAA	28-4669		Japan			X	
	ABB	48-7051		Japan				X
	ACC	49-51857		Japan				X
	ADD	53-57068		Japan			X	
	AEE	55-159304		Japan				X
	AFF	56-77805		Japan				X
	AGG	58-102904		Japan			X	
	AHH	58-51144		Japan				X
	AII	60-70603		Japan				X
	AJJ	1,426,230		United Kingdom				
	AKK	2,127,344		United Kingdom				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	ALL	Agreement dated August 20, 1984 between Minnesota Mining and Manufacturing Company ("3M") and TIR Systems Limited ("the Agreement")
	AMM	Memo dated 10/4/84 from S. Cobb to J.F. Abere
	ANN	Memo dated 10/26/84 from R. Appeldorn to R. Adalbert et al.
	AOO	Memo dated 11/12/84 from John C. Barnes to R.H. Appeldorn
	APP	Fumio Ide & Hiroshi Terada, "Kobunshi Shinsozai One Point-2, 'Optical Fiber & Optical Materials'"; edited by Japan Polymer Society, published by Kyoritsu Shuppan K.K. on June 15, 1987, pp. 10-14.
	AQQ	"Polycarbonate Resin Handbook", edited by Seiichi Honma, published by Nikkan Kogyo Shinbunsha on August 28, 1992, pp. 121-125.

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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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